

OPERATING LIMITS/ CRITICAL ACTION ITEMS

MAULE MT-7-235 OPERATING LIMITATIONS

AIRSPEED LIMITATIONS				ENGINE LIMITATIONS			
NORMAL OPERATING RANGE (GREEN ARC) $V_{SO} - V_C$ 62 – 147 MPH		BEST ANGLE (V_X) 75 MPH		MANIFOLD PRESSURE	MIN -----	NORMAL RANGE 14.5 – 29	MAX 29
CAUTION RANGE (YELLOW ARC) 147 – 182 MPH		BEST RATE (V_Y) 90 MPH		TACHOMETER	MIN -----	NORMAL RANGE 2050 – 2400	MAX 2400
MAXIMUM (structural cruising speed) (V_{NO}) 147 MPH		NEVER EXCEED (V_{NE}) 182 MPH		OIL PRESSURE	MIN 25	NORMAL RANGE 55 – 95	MAX 115
MAX FLAP EXTENDED SPEED (V_{FE}) 95 MPH	0° - 10°	11° - 20°	20° - FULL	OIL TEMP	MIN -----	NORMAL RANGE 140 – 245	MAX 245
MANEUVERING SPEED (V_A) 125 MPH	LANDING SPEEDS	FLAPS 0	80 MPH	CYLINDER HEAD TEMP	MIN -----	NORMAL RANGE 200 – 435	MAX 500
		FLAPS 40	65 MPH				
BEST GLIDE SPEEDS 83 MPH		MAX GROSS WEIGHT 2500 lbs		DOOR-OFF LIMITS	V_{NE} 125 MPH	MAX BANK 30°	MAX YAW 10°

MAULE MT-7-235 CRITICAL ACTION ITEMS

<p>ENGINE FIRE DURING START</p> <ol style="list-style-type: none"> MIXTURE – IDLE/CUTOFF THROTTLE – FULL OPEN IGNITION SWITCH – Continue Cranking for several revolutions <p><u>IF FIRE CONTINUES</u></p> <ol style="list-style-type: none"> EMERGENCY ENGINE SHUTDOWN <p>ENGINE FIRE AFTER START</p> <ol style="list-style-type: none"> EMERGENCY ENGINE SHUTDOWN MASTER SWITCH – OFF <p>EMERGENCY ENGINE SHUT DOWN</p> <ol style="list-style-type: none"> MIXTURE – IDLE/CUTOFF FUEL SELECTOR – OFF IGNITION SWITCH – OFF 	<p>ABORT</p> <ol style="list-style-type: none"> THROTTLE – IDLE BRAKES – AS REQUIRED <p>ENGINE FAILURE IMMEDIATELY AFTER TAKEOFF OR FORCED LANDING</p> <ol style="list-style-type: none"> GLIDE - ESTABLISHED <p>COMPLETE ENGINE FAILURE IN FLIGHT</p> <ol style="list-style-type: none"> GLIDE - ESTABLISHED <p>ENGINE FIRE</p> <ol style="list-style-type: none"> MIXTURE – IDLE/CUTOFF FUEL SELECTOR – OFF IGNITION SWITCH - OFF <p>ELECTRICAL FIRE</p> <ol style="list-style-type: none"> MASTER SWITCH - OFF
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